

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a Address

382 CR 3100 Aztec, NM 87410

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1978' FSL & 1630' FWL SEC 30K-T28N-R10W

3b. Phone (include area code)

505-333-3100

5. Lease Serial No.

NMSF-078715

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No.

NMSF-73886

8 Well Name and No.

HUBBELL GAS CCM B #1G

9 API Well No

30-045-34382

10. Field and Pool, or Exploratory Area

BASIN DAKOTA/
WILDCAT BASIN MANCOS

11. County or Parish, State

SAN JUAN

12 CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other REMEDIAL

CEMENT

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc. intends to remediate cement & perf the Mancos per the attached procedure.

RCVD APR 21 '08

OIL CONS. DIV.

DIST. 3

Anticipated remedial operation: May 23 - June 9 2008

14 I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

LORRI D. BINGHAM

Title REGULATORY COMPLIANCE TECH

Signature

Date 4/9/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy L. Salyers

Title

Petroleum Engineer

Date

4-17-2008

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FFO

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCDB

Hubble Gas Com B #1G
MC COMPLETION & CMT REMEDIATION
SEC 30, T28N, R10W
SAN JUAN CO., NM

RNL _____
TAL _____
DLC _____

AFE # / Acct Code: 713556/77390(MC)

Prod. Csg: 5-1/2", 15.5#, J-55 csg @ 6,763'
Capacity = 0.0238 bpf or 0.9997 gpf
PBTD: 6,717'
Tbg: None (2-3/8" tbg will be landed @ +/- 6,370')
Perfs: DK: 6,297'-6,488'

1. Check with Ryan Lavergne to make sure Dakota production tests are sufficient before beginning procedure.
2. Set 3 - 400 bbl frac tnks & 1 flowback tnk. Fill frac tnks w/2% KCl wtr. **NOTE:** Have frac co. test wtr for compatibility prior to frac & add biocide. Heat wtr in the frac tnks so that wtr temperature @ frac time is $\pm 80^{\circ}$ F. Hot oil trk must be clean to avoid contaminating the frac wtr.
3. MIRU PU. ND WH. NU BOP. TOH w/tbg.
4. ND BOP. NU 5,000 psig frac valve. RDMO PU.
5. MIRU WL trk & mast trk.
6. RIH w/ CBP & set plug @ 5,970' (Collars @ 5,941' & 5,986'). POH & LD setting tl.
7. Press tst 5-1/2" csg to 3,850 psig for 5".
8. Perf MC w/3-1/8" csg gun loaded Owen HSC-3125-302 charges or equivalent performance charges (10 gm, 0.34" EHD, 21.42" pene, ttl 23 holes)

Perf	CCL	Perf	CCL	Perf	CCL	Perf	CCL	Perf	CCL
5,858'		5,757'		5,722'		5,663'		5,579'	
5,843'		5,753'		5,714'		5,661'		5,577'	
5,841'		5,736'		5,683'		5,647'		5,575'	
5,766'		5,732'		5,681'		5,605'			
5,764'		5,727'		5,665'		5,603'			

9. RDMO WLU & Mast trk.
10. MIRU N2 frac & acid equip.
11. BD perfs. EIR w/2% KCl wtr. Max press 3,000 psig. Switch to acid. Acidize MC

Hubble Gas Com B #1G
MC COMPLETION & CMT REMEDIATION
SEC 30, T28N, R10W
SAN JUAN CO., NM

perfs fr/5,575'- 5,858' w/1,500 gals 15% NEFE HCl acid (FE control, surf & CI additives) + 40 - 7/8" 1.1 SG Green Bio balls. Flush acid 3 bbls past btm perf w/142 bbls 2% KCl wtr or until ball off. Pump flush @ ± 12 BPM. Record ISIP, 5". Surge off balls. Begin N₂ cool down.

12. Frac MC perfs fr/5,575'- 5,858' down 5-1/2" csg w/63,000 gals 70Q foamed 12# XL gelled (Delta 140) 2% KCl water carrying 102,000# sd (81,000# 20/40 BASF sd + 21,000# 20/40 Super LC resin coated sd). Flush w/50Q N₂ foamed XL frac fluid & unfoamed gel wtr. Total flush volume 5,629 gals (3 bbls short of top perf). Est TP 3,300 psig. Pmp frac @ 35 BPM. MaxTP @ 3,850 psig. Frac schedule:

Stage	Stage Clean Vol.	Fluid	Stage Proppant	Cum Proppant
Load	-	2% KCl wtr	0#	0#
Acid	1,500 gals	15% NEFE HCl	0#	0#
Flush	5,975 gals	2% KCL wtr	0#	0#
Pre-pad	500 gals	60Q XL Foam	0#	0#
Pad	12,000 gals	60Q XL Foam	0#	0#
1 ppg	18,000 gals	70Q XL Foam	18,000# 20/40 BASF	18,000#
2 ppg	15,000 gals	70Q XL Foam	30,000# 20/40 BASF	48,000#
3 ppg	11,000 gals	70Q XL Foam	33,000# 20/40 BASF	81,000#
3 ppg	7,000 gals	70Q XL Foam	21,000# 20/40 SLC	102,000#
Flush	4,947 gals	50Q Foam.	0#	102,000#
Flush	500 gals	Gel wtr.	0#	102,000#
Total Sand 102,000#			63,000gal 70Q N₂ Delta 140	

Record ISIP & 5" SIP's. SWI. RDMO frac equip. Remove Stinger WH isolation tool. Leave well SI 4 hrs.

13. RU flowback manifold & flowline to flowback tnk. OWU on 1/4" ck. Have larger ck sizes available. Adjust ck size as needed to unload well w/o bringing excessive sd back. Flow back until sd & CO₂ cleans up. SWI.

Hubble Gas Com B #1G
MC COMPLETION & CMT REMEDIATION
SEC 30, T28N, R10W
SAN JUAN CO., NM

Check with Ryan Lavergne before continuing for BLM/OCD approval

14. MIRU PU. MIRU WL trk.
15. MI 4 – Drill Collars.
16. Refill frac tanks w/2% KCl wtr as needed.
17. PU & RIH w/5-1/2" CBP. Set plug @ 1,080' (Collars @ 1,058' & 1,102') using lubricator w/o blowing well down (If SICP is too high to lubricate in CIBP then blow well down as needed). POH & LD setting tl.
18. RU flowline. Bd csg.
19. ND frac vlv. NU BOP.
20. Load csg w/2% KCl wtr (pmp slowly to let gas work out csg). PT csg & CIBP to 2,000 psig.
21. Perf 4 sqz holes w/90° phasing @ 950'. (TOC @ 1,010' by CBL)
22. RDMO WL trk
23. TIH w/5-1/2" Retrievable pkr & 2-3/8" tbg to 850' (Collars @ 835' & 880'). Pmp down tbg & circ out TCA to confirm pkr is clear & csg is loaded.
24. Set pkr @ 850'.
25. PT TCA to 500 psig. Maintain this pressure during squeeze.
26. BD sqz holes & EIR w/fresh wtr. Max allowable surface press 3,700 psig (80% of casing collapse strength + 500 psig backup). Chk for circ out 5-1/2" x 8-5/8" annulus. **NOTE:** Cmt vol in step 26 will be based on inj rate, inj press & circ.
27. Notify BLM & OCD of cementing operations.
28. RU cmt services. Pmp 250 cuft of cmt (25% over openhole caliper vol fr/1,010' to surface csg shoe + 375' casing annulus to surface) as follows: 10 bbls fresh wtr, 65 sx Econolite cmt or similar (mixed at 11.2 ppg & 2.8 cuft/sx) tailed with 50 sx Class 'G' cmt or similar w/sufficient fluid loss control (mixed at 14.2 ppg & 1.4 cuft/sx). Displace w/fresh wtr +/- 1 bbl past pkr. Rls pkr & rev circ tbg clean. RDMO cmt services.

Hubble Gas Com B #1G
MC COMPLETION & CMT REMEDIATION
SEC 30, T28N, R10W
SAN JUAN CO., NM

29. TOH w/2-3/8" tbg. LD setting tl. WOC min 24 hrs before drillout.

IF CMT IS CIRCULATED TO SURF THEN SKIP TO STEP 34, OTHERWISE:

30. MIRU WL trk.

31. Load hole w/2% KCl wtr.

32. Run GR/CCL/CBL log w/500 psig to determine TOC. **NOTE:** If TOC is not above 700' another squeeze will be required. RDMO WL trk.

33. MIRU AFU. TIH with 4-3/4" bit, 4 – DC's & 2-3/8" tbg. DO cmt & CBP @ 1,080'. CO to CBP @ 5,970'. **DO NOT DRILL OUT CBP @ 5,970'**. Circ well clean w/2% KCl wtr.

34. TOH & LD DC's & bit.

35. TIH w/NC, SN & 2-3/8" tbg.

36. ND BOP. NU WH. Land EOT @ +/- 5,670'.

37. RU to flow to tst tnk.

38. Swab well until well KO.

39. Flow tst min 3 hrs on fixed choke for IP tst. Record liq vols, FTP, SICP & choke size. SWI. Report rates and pressures to Ryan Laverigne

40. RDMO PU.

41. Schedule 1st delivery.

Flow well for min of 30 days and apply for DHC. DHC well once approved.

42. MIRU PU. ND WH. NU BOP

43. TOH w/NC, SN & 2-3/8" tbg.

44. TIH w/bit & 2-3/8" tbg. Tag fill if any (Report any fill to Ryan Laverigne). DO CBP @ 5,970'. Clean out to 6,717' PBTD.

45. TOH w/tbg & bit

**Hubble Gas Com B #1G
MC COMPLETION & CMT REMEDIATION
SEC 30, T28N, R10W
SAN JUAN CO., NM**

- 46. TIH w/NC, SN & 2-3/8" tbg.
- 47. ND BOP. NU WH. Land EOT @ +/- 6,370'
- 48. RDMO PU.
- 49. RWTP.

Regulatory Requirements

New drill completion
Remedial workover sundry
Completion Report
Request for Allowable
DHC

Services

AFU
WL truck to perf, run plugs & logs
Acid & frac equip
Cmt services

Equipment List

3 – 400 bbl frac tnks
1 flowback tnk
4-DC's
4-3/4" bit
2 - CBP
5-1/2" retrievable packer